

PROJECT DESCRIPTION

GENERAL:

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING HAZARD IDENTIFICATION BEACONS (HIB) FOR THE EXISTING TRAFFIC CONTROL PEDESTRIAN SIGNAL AT THE INTERSECTION OF MD 193 (UNIVERSITY BLVD.) AND REEDIE DRIVE IN MONTGOMERY COUNTY.

MD 193 (UNIVERSITY BLVD.) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION:

THE INTERSECTION WILL CONTINUE TO OPERATE IN A FLASHING MODE UNTIL SOMEONE PUSHES THE BUTTON, ACTUATING THE AUDIBLE-TACTILE PEDESTRIAN SYSTEM. THE ADVANCE HAZARD IDENTIFICATION BEACONS WILL FLASH CONCURRENTLY WITH THE ACTUATED PEDESTRIAN SYSTEM FOR THE SAFE CROSSING OF THE EAST LEG OF MD 193 AT REEDIE DRIVE. THE COUNTDOWN PEDESTRIAN SIGNAL HEADS WILL NOTIFY THE PEDESTRIAN OF THE REMAINING CLEARANCE TIME.

AUDIBLE PUSHBUTTON MESSAGE FUNCTION IS AS FOLLOWS:

- When a pedestrian locates and presses the pushbutton for an extended time, the pushbutton unit will announce the following message:
EAST LEG: "Wait to cross University at Reedie, Wait"
- When the "WALK" phase begins, the message will be a rapid tick, which will last for the duration of the "WALK" phase.

PROJECT CONTACTS:

- THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

MR. CEDRIC WARD, ASSISTANT ENGINEER - TRAFFIC
PHONE: (301) 513-7409

MR. KEVIN NOWAK, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7385

MR. VERNON STINNETT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (310) 513-7304

MR. VICTOR GRAFTON, UTILITY ENGINEER
PHONE: (310) 513-7350

MR. RICHARD DAFF, SR., CHIEF - TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. EDWARD RODENHIZER, CHIEF - SIGNAL SHOP
PHONE: (410) 787-7652

MR. SONNY BAILEY, CHIEF - SIGN SHOP
PHONE: (410) 787-7676

THE POWER COMPANY REPRESENTATIVE:
PEPCO

- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE STANDARD PLATES FOR TRAFFIC CONTROL FROM SECTION MD 104.00 OF THE STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES.

EQUIPMENT LIST 'A'

- A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	QUANTITY	DESCRIPTION
9571	12.50 SF	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:
	2 EA	W11-2 "PEDESTRIAN CROSSING" (SYMBOLIC), 30"x30" MAST ARM-MOUNTED

EQUIPMENT LIST 'B'

- B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
6002	180 SF	REMOVE AND REPLACE EXISTING CONCRETE SIDEWALK
8016	2 EA	MAST ARM POLE & 60' MAST ARM ANY "T" DIMENSION
8021	1 EA	REMOVE & DISPOSE MATERIAL AND EQUIPMENT PER JOB
8033	220 LF	SCHEDULE 80 PVC CONDUIT UP TO 4" - BORED
8034	45 LF	SCHEDULE 80 PVC CONDUIT UP TO 4" - SLOTTED
8035	270 LF	SCHEDULE 80 PVC CONDUIT UP TO 4" - TRENCHED
8038	12.5 SF	INSTALL OVERHEAD AND GROUND MOUNTED SIGNS INCLUDING HARDWARE
8040	1260 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8046	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8050	4 EA	12" LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8056	1400 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

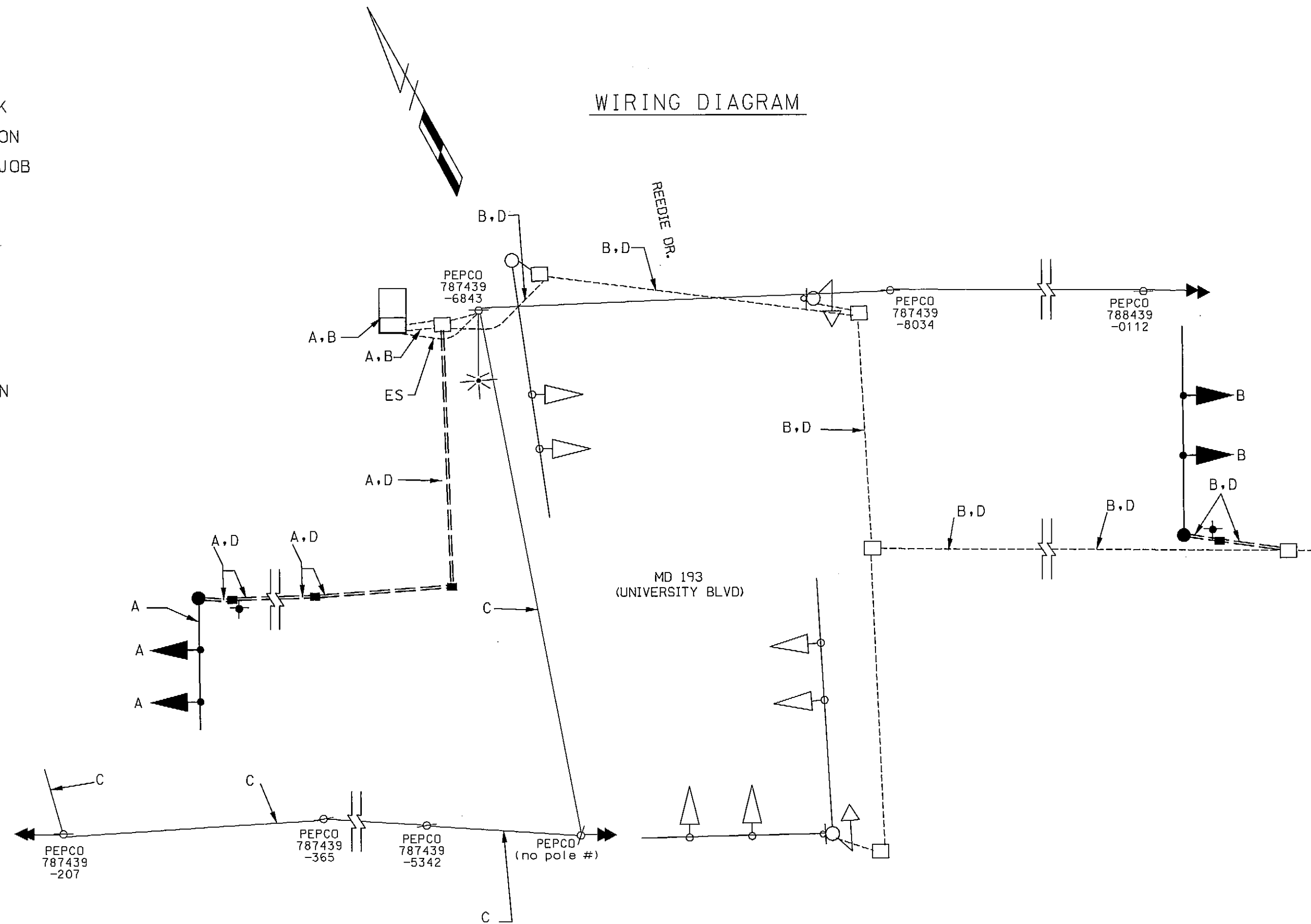
- C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

1	2	3	4	5	6	7	8	9	10	11	12,13
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(Y)	(Y)	(Y)	(Y)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)

NORMAL OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	DW
CHANGE	QUICK 8" FL	QUICK 8" FL	QUICK 8" FL	QUICK 8" FL	QUICK 8" FL	FL/R	FL/R	DARK	DARK	DARK	DARK	DW
PEDESTRAIN	R	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	WK
PED CLEAR & COUNTDOWN	R	R	R	R	R	R	R	FL/Y	FL/Y	FL/Y	FL/Y	FL/DW
CHANGE	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	R	R	FL/Y	FL/Y	FL/Y	FL/Y	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY

- A,B - 5 CONDUCTOR NO. 14 AWG ELECTRICAL CABLE
C - REMOVE EXISTING OVERHEAD HIB CABLE
D - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
ES - EXISTING SERVICE
+ - GROUND ROD

TOD NO: XX351-16
SHA NO: MO256A53/K53
MD 193 @ Reedie Drive

CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

Revision 'C' CEI # 26265.22

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 193 (UNIVERSITY BLVD)
AT REEDIE DRIVE
WHEATON, MD

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE FEB. 07, 2011 CONTRACT NO. XX3515168

DESIGNED BY EMM COUNTY MONTGOMERY
DRAWN BY EMM LOGMILE 15019301.96
CHECKED BY MR/NR TIMS NO. K-047
F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. 3846C-GI DRAWING 5G-2 OF 2 SHEET NO. 2 OF 2